

*cogc*  
**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT** of:

Mesecher et al.

**Patent No.:** 6,940,875

**Issued:** September 6, 2005

**Appln. No.:** 10/643,792

**Filed:** August 19, 2003

For: CONTINUOUSLY ADJUSTED-  
BANDWIDTH DISCRETE-TIME PHASE-  
LOCKED LOOP

Our File: I-2-0097.3US

Date: January 18, 2006

**Certificate**  
**JAN 24 2006**  
**of Correction**

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 6,940,875. Correction of the following errors is requested.

**ON THE TITLE PAGE**

At section (57), line 1, before the word "for", delete "reciever" and insert therefor --receiver--.

**IN THE SPECIFICATION**

At column 2, line 13, after the word "a", delete "B-CDMATM" and insert therefor --B-CDMA<sup>TM</sup>--.

At column 2, line 40, after the word "present", delete "inventor" and insert therefor --invention--.

01/20/2006 HNGUYEN1 00000078 090435 6940875

01 FC:1811

100.00 DA

**JAN 25 2006**

At column 5, line 53, after the word "mixer", delete "122" and insert therefor  
--110--.

At column 5, line 67, equation 2, delete " $m = \sqrt{I^{2+Q^2}}$ " and insert therefor  
--  $m = \sqrt{I^2 + Q^2}$  --.

At column 9, line 55, after the word "The", delete "anaysis" and insert therefor  
--analysis--.

#### **IN THE CLAIMS**

In claim 24, at column 12, line 42, after the word "response", insert --to--.

#### **IN THE DRAWINGS**

Please replace Figures 2-5 and 11 with replacement Figures 2-5 and 11 attached  
hereto.

#### **REMARKS**

The replacement of figures 2-5 and 11 is respectfully requested. These figures were originally filed in an amendment on February 22, 2005. However, the printed Patent 6,940,875 did not include the replaced drawings. In Figure 2, the reference numeral for the base station was changed to 4 to be consistent with the specification.

**Patentee: Mesecher et al.**  
**Patent No.: 6,940,875**

In Figure 3, the reference numeral pointers for the data signal 46, the filter parameters 45, and the despread pilot signal 30 have been changed to be consistent with the specification.

In Figure 4, one of the two elements labeled 80.1 was changed to 80.i to be consistent with the specification. Also, an extraneous reference number 84 has been removed and pointers for the reference numerals 84, 100, 88, 90, 92 were added.

In Figure 5, the phrase "CORRECTION SIGNAL" was deleted.

In Figure 11, reference numeral 182 has been added.

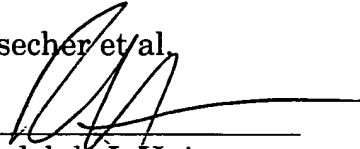
Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44. Please charge the surcharge fee of \$100 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Mesecher et al.

By

  
Randolph J. Huis  
Registration No. 34,626  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103  
RJH/HV/dmm  
Enclosures

JAN 25 2006



PTO/SB/21 (09-04)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Patent Number	6,940,875
Issue Date	September 6, 2005
First Named Inventor	Mesecher et al.
Application Number	10/643,792
Filing Date	August 19, 2003
Attorney Docket Number	I-2-0097.3US

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Request for Certificate of Correction; Form PTO/SB/44</b>
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	Randolph J. Huis		
Date	1/10/2006	Reg. No.	34,626

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Randolph J. Huis	Date	1/10/2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 25 2006

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 6,940,875  
 APPLICATION NO.: 10/643,792  
 ISSUE DATE : September 6, 2005  
 INVENTOR(S) : Mesecher et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### ON THE TITLE PAGE

At section (57), line 1, before the word "for", delete "reciever" and insert therefor --receiver--.

### IN THE SPECIFICATION

At column 2, line 13, after the word "a", delete "B-CDMATM" and insert therefor --B-CDMA<sup>TM</sup>--.

At column 2, line 40, after the word "present", delete "inventor" and insert therefor --invention--.

At column 5, line 53, after the word "mixer", delete "122" and insert therefor --110--.

At column 5, line 67, equation 2, delete " $m = \sqrt{(I^{2+Q^2})}$ " and insert therefor

#### MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.  
 United Plaza, Suite 1600  
 30 South 17th Street  
 Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 25 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 2 of 2

PATENT NO. : 6,940,875  
APPLICATION NO.: 10/643,792  
ISSUE DATE : September 6, 2005  
INVENTOR(S) : Mesecher et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

$$-- m = \sqrt{I^2 + Q^2} --.$$

At column 9, line 55, after the word "The", delete "anaysis" and insert therefor  
--analysis--.

**IN THE CLAIMS**

In claim 24, at column 12, line 42, after the word "response", insert --to--.

**IN THE DRAWINGS**

Please replace Figures 2-5 and 11 with replacement Figures 2-5 and 11  
attached hereto.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

JAN 25 2006

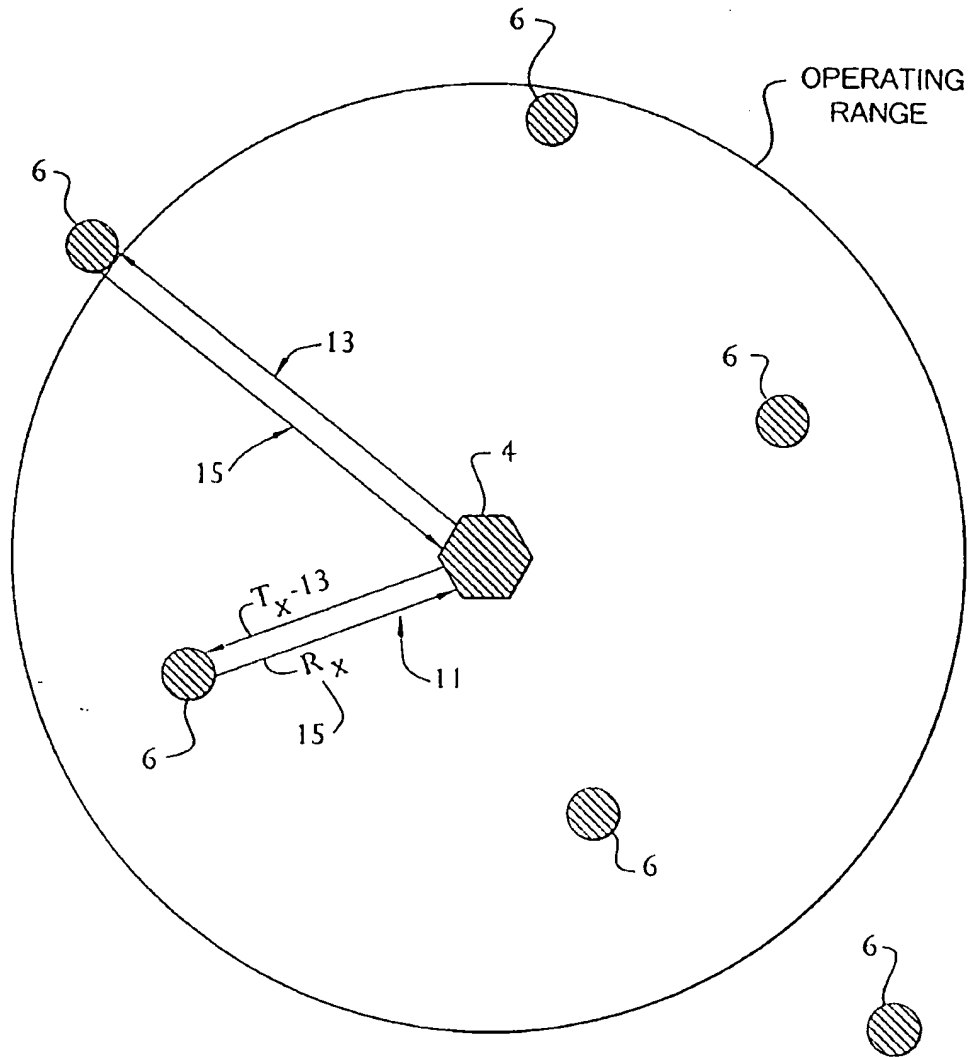


FIG. 2

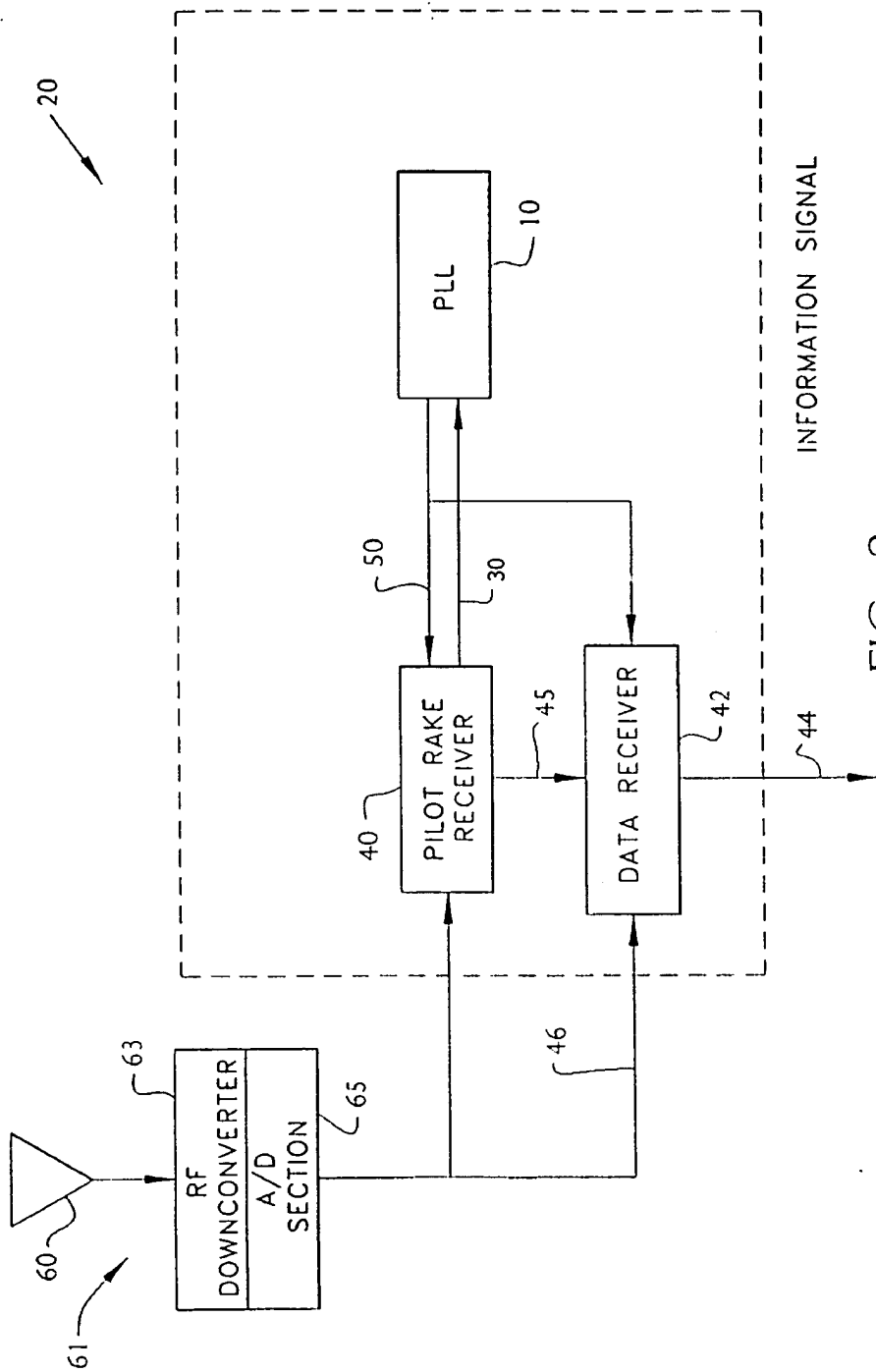


FIG. 3





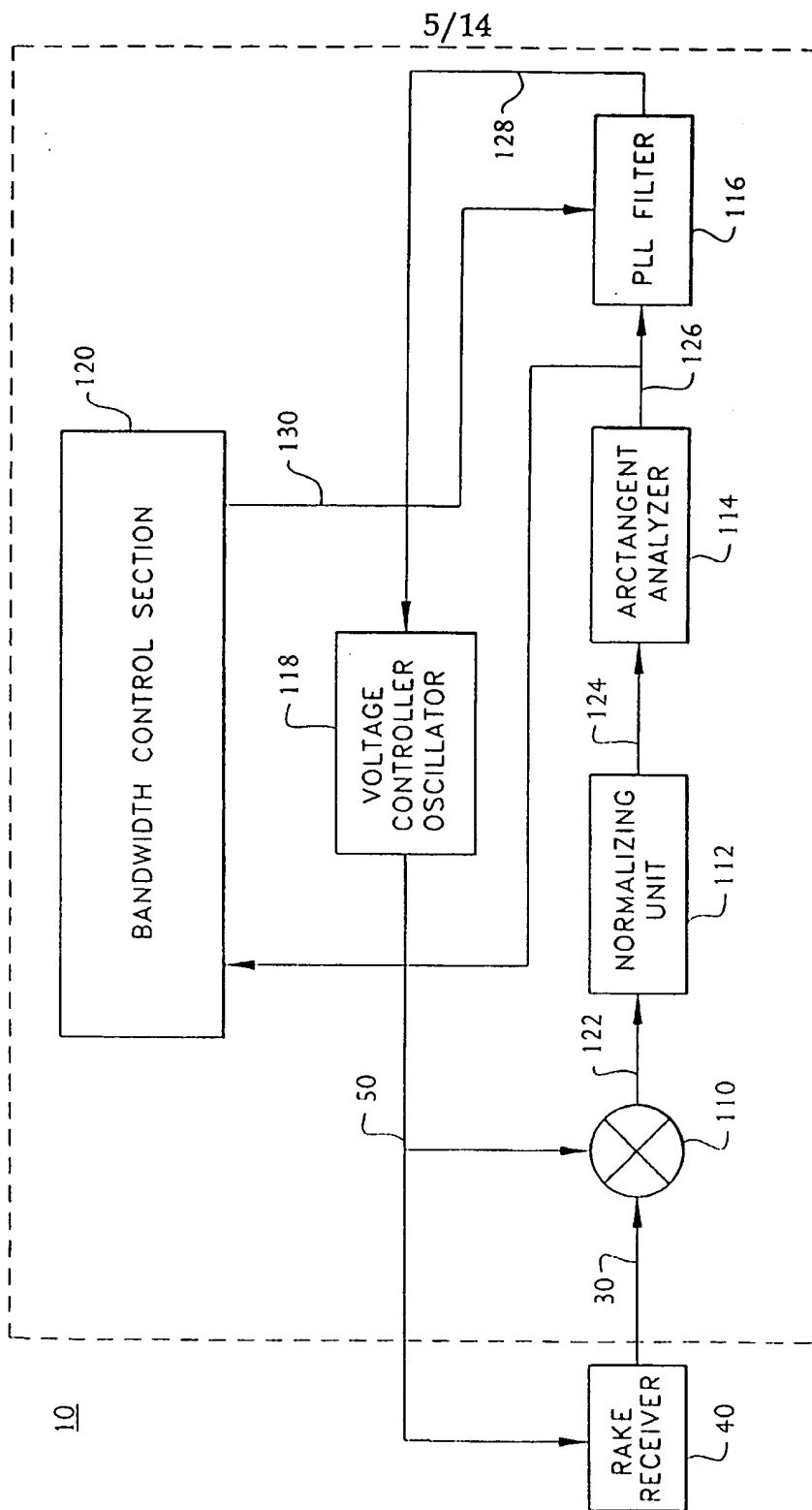
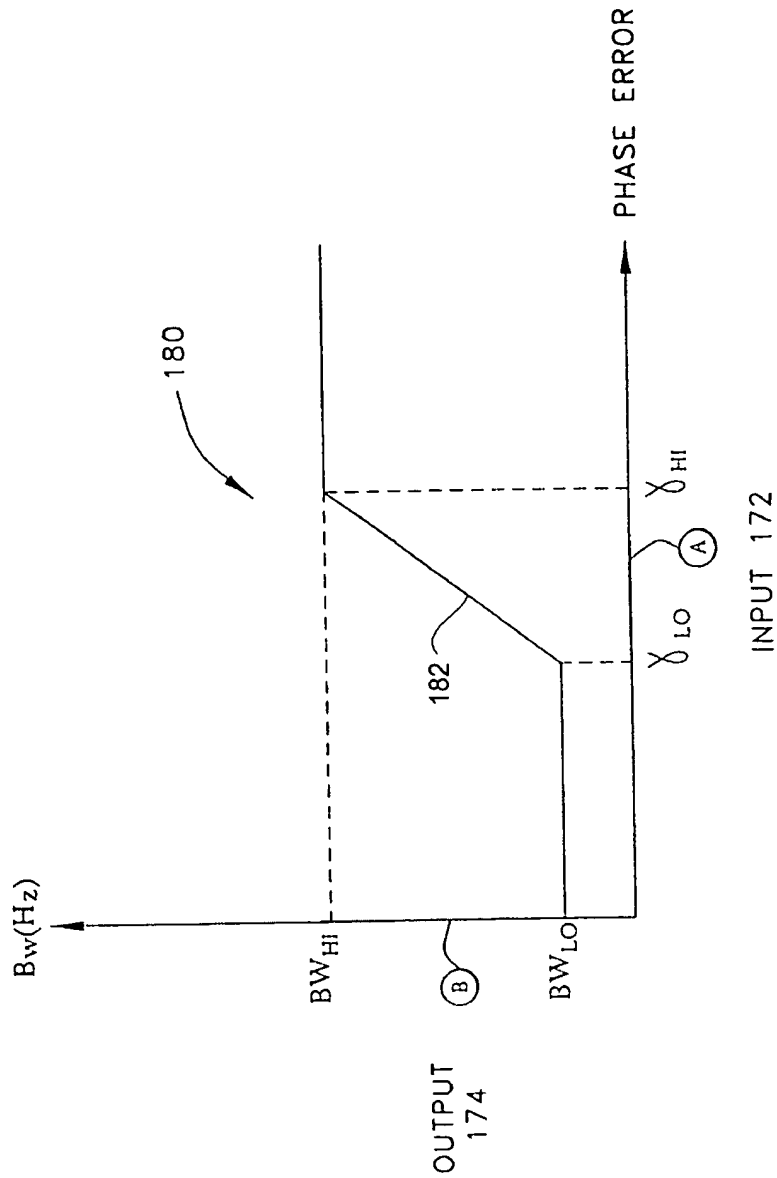


FIG. 5

JAN 25 2006



11/14



JAN 25 2006